

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Computer Systems Technology

2020

CTY2 CTN2 Curriculum Modification for 2020-21


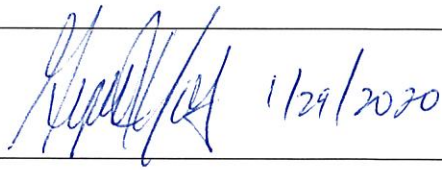

Fanshawe College

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CURRICULUM MODIFICATION REQUEST FORM

COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

Program Requiring Changes

Program Title: Computer Systems Technician and Computer Systems Technology		
Program Number: CTN2/CTY2	Date Submitted: 1/29/2020	
Dean responsible for program: Mary Pierce	Associate Dean: Dev Sainani	
Credential Provided: <input type="checkbox"/> Declaration of Academic Achievement <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ontario College Certificate <input checked="" type="checkbox"/> Diploma <input checked="" type="checkbox"/> Advanced Diploma <input type="checkbox"/> Grad Certificate <input type="checkbox"/> Degree <input type="checkbox"/> Apprenticeship		
Program Intakes: <input checked="" type="checkbox"/> F (CTN/CTY) <input checked="" type="checkbox"/> W (CTN) <input type="checkbox"/> S	Catalogue Year(s) Impacted: 2020/21	
Residency Requirement: <input checked="" type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: 2015	
<i>I have read the reasons for the change and...</i>		<i>Signature and date</i>
Dean of Faculty (Lead program):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	 1/28/20
Dean of Faculty (Affiliate program-impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Dean of Faculty (Affiliate program-impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Senior Vice President Academic (required for major changes and late DAs):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Director, Centre for Academic Excellence:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	 1/29/2020
Office of the Registrar:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	
Notes:		

Please answer each of the questions below, if applicable. Missing or incomplete information may delay review of the proposed changes.

1.0 Describe proposed change(s). Complete Appendix A (if necessary) and amend SDAR (Refer to Appendix C).

Cisco, our industry/academic partner for our networking courses, has made significant modifications to their curriculum. These changes will affect the content in the current Level 2 INFO-3147 (CTN & CTY), Level 3 INFO-3149 (CTN) and Level 4 INFO-5129 (CTN) networking courses. We will need to update the course names and descriptions of these courses to reflect these Cisco changes. Additionally, wireless content currently in INFO-3154 is being incorporated into level 2 and level 4 networking courses. With this change, we will redistribute the hours into two other level 4 CTN courses (Network VoIP Operations and Technical Projects). The additional hour in Technical Projects will also help facilitate the SILEX for the program.

2.0 Reason/Rationale for Changes

2.1 The reason for the change is based on:

- ☐ A recent program review
- ☐ Program Advisory Committee feedback
- ☐ Student feedback
- ☐ KPI results
- ☐ Accreditation or other regulatory requirements
- ☐ Shared curriculum
- ☐ Trends in the field/industry
- ☒ Other (please describe): Vendor change in curriculum

2.2 Does the change support the College's Strategic Framework (mission, vision, values)?

- ☒ Yes
- ☐ No (If no, please explain)

2.3 What strategic goal(s) does the proposed change support?

- ☐ Goal 1 - Enhance innovative practices for exceptional student learning
- ☐ Goal 2 - Manage enrolment growth
- ☒ Goal 3 - Optimize use of resources
- ☐ Goal 4 - Build sustainable sources of alternative revenue

3.0 Students

3.1 Will the change affect the cost of the program for students?

☐ Yes

☒ No

3.2 If yes, there will be an additional cost for:

☐ Materials (Include details):

☐ Equipment (Include details):

☒ Other (Please describe):

4.0 Program Learning Outcomes

4.1 Will the proposed change meet the Program Vocational Learning Outcomes? (Complete Appendix B and mark the changes in the mapping [e.g. red font])

☒ Yes

☐ No

4.2 Are there any implications related to progression because of pre-requisite courses (and/or co-requisite courses)?

☒ No

☐ Yes (If yes, please explain)

5.0 Relationships with Other Programs

5.1 Are any of the courses impacted by the change provided by another School (e.g., SLLS, LKSB) and/or delivered at another campus?

☒ No

☐ Yes

5.2 What Schools/Campuses will be impacted by the proposed change?

☐ Lawrence Kinlin School of Business

☒ School of Information Technology

☐ School of Tourism, Hospitality and Culinary Arts

☐ School of Community Studies

☐ School of Health Sciences

☐ School of Nursing

☐ School of Public Safety

☐ School of Contemporary Media

☐ School of Design

☐ School Digital and Performing Arts

☐ School of Language and Liberal Studies

☐ Donald J. Smith School of Building Technology

☐ Norton Wolf School of Aviation Technology

- ☐ School of Applied Sciences and Technology
- ☐ School of Transportation Technology and Apprenticeship
- ☐ Continuing Education
- ☐ Simcoe/Norfolk Regional Campus
- ☐ St Thomas/Elgin Regional Campus
- ☐ Woodstock/Oxford Regional Campus
- ☐ Huron/Bruce Regional Sites

5.3 Will the change affect pathway agreements (e.g., bridging, articulations, laddering, advanced standing) with other Fanshawe program(s) and/or other institution(s)?
(Refer to the pathway agreements listed here: <http://transferagreements.fanshawec.ca/>)

- ☒ No
- ☐ Yes (If yes, indicate when you will notify the other Fanshawe program(s) and/or other institution(s) and the Pathways Coordinator in the Centre for Academic Excellence of the change)

5.4 If this program is a Co-Operative Education program, will the proposed change impact Co-op?

- ☒ No
- ☐ Yes (If yes, consult with the Co-op office prior to submission)

6.0 Resource Implications of Proposed Changes

6.1 Will the proposed change have staffing implications?

- ☒ No
- ☐ Yes (If yes, please explain)

6.2 Will the proposed change impact any of the Enabling areas?

- ☒ No
- ☐ Yes (If yes, please explain)

6.3 Will the proposed change affect space and/or technology requirements?

- ☒ No
- ☐ Yes (If yes, please explain)

7.0 General College Requirements

7.1 Are changes consistent with Colleges policies?

- ☒ Yes
- ☐ No (If no, please explain)

7.2 Will the program meet the General Education requirements (Policy A126) as listed below?

- ☐ No
☒ Yes

Local Certificate, Ontario College Certificate and Graduate Certificate - none required)	Diploma - 3 required (minimum of 1 must be an elective)	Advanced Diploma - 4 required (minimum of 2 must be electives)
-------------------------------------------------------------------------------------------------	----------------------------------------------------------------	-----------------------------------------------------------------------

7.3 Will the program have 25% distinct curriculum to meet the Residency Requirement of 25% credit units? Consider all pathway agreements (e.g., bridging, internal articulations, laddering, advanced standing) with other Fanshawe programs and/or other institutions.

- ☐ No
☒ Yes

Note: In accordance with POLICY NUMBER: A122 Graduation from Approved College Programs

...to be eligible for any College Credential a student must be enrolled and complete at least 25% of that program's credit units at Fanshawe College, unless stipulated differently by other approving bodies such as the Postsecondary Education Quality Assessment Board (PEQAB).

7.4 Indicate:

- i) Total program hours before proposed change: _no change (CTN/CTY)
 ii) Total program hours after proposed change: _no change (CTN/CTY)_
 iii) Level(s) in which the proposed change(s) occurs: _no change (CTN/CTY)

7.4.1 Are the total program hours consistent with the requirements as listed below?

- ☒ Yes
☐ No (If no, please explain)

Local Certificate - 300 hours	Ontario College Certificate - 600 hours
Diploma - 1200 to 1400 hours	Advanced Diploma - 1800 to 2100 hours
Graduate Certificate - 600 hours	

Degree Audit Report

Catalog: 2019/2020 2020/2021

Program: CTN2 Department: ITY - Information Technology Academic Level: PS CCD: 8 - 4AcadSem/1200-1400hrs Credential: Ontario College Diploma Grade Scheme: LG2 Major: CTN2 - Computer Systems Technician Co-Op Indicator: N/A	Name: Computer Systems Technician Div: ITY - Information Technology Division
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Academic Program Requirement

Total Credits: 81.00	Residency Reqmt: 21.00
GPA Requirement: 2.00	Residency Reqmt GPA: 2.00
Minimum Grade: D	

Academic Requirement: CTN2.19 Computer Systems Technician

Major: CTN2
Grade Scheme: LG2
Minimum GPA: 2.00
Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:
Group 1

	Total Hours	Total Credits	GE
BUSI-1156 Strategies for Success	14.00	1.00	
INFO-1245 Network-Fundamentals	75.00	5.00	
INFO-1280 Network-Fundamentals	75.00	5.00	
INFO-1167 Business At the Speed of Light	45.00	3.00	**
INFO-1247 Applications & Databases	60.00	4.00	
INFO-1246 Operating Systems-Windows 1	45.00	3.00	

Group 2

TAKE WRIT-1043 OR WRIT-1034

	Total Hours	Total Credits	GE
WRIT-1043 Reason & Writing 1 for IT	45.00	3.00	
WRIT-1034 Reason & Writing 1-EAP	60.00	4.00	

Subrequirement: Level 2

Take all of the following Mandatory Courses:

	Total Hours	Total Credits	GE
INFO-3147 Network-Routing & Switching 1	75.00	5.00	
INFO-3176 Network-Routing & Switching	75.00	5.00	
MGMT-3052 Understanding Workplace Behaviours	45.00	3.00	**
INFO-1248 Data Centre Infrastructure	45.00	3.00	
INFO-3148 Operating Systems-Windows 2	60.00	4.00	

Degree Audit Report

INFO-1249	Programming Fundamentals	45.00	3.00
SRTY-1023	Security-Fundamentals	45.00	3.00

Subrequirement: Level 3

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
INFO-1250	Operating Systems-Linux 1	30.00	2.00	
INFO-3150	Operating Systems-Linux 2	30.00	2.00	
INFO-3149	Network-Routing & Switching-2	75.00	5.00	
INFO-3177	Network-Enterprise Tech 1	75.00	5.00	
COMM-3077	Communications for IT	45.00	3.00	
INFO-3152	Automation for Information Systems	45.00	3.00	
INFO-3151	Service Desk & User Support	45.00	3.00	
INFO-3153	Business Continuity & Disaster Recovery	45.00	3.00	

Subrequirement: Level 4

Gen Ed - Take a 3 credit General Education elective course Take all of the following Mandatory Courses:
Group 1

		Total Hours	Total Credits	GE
MGMT-3036	Professional Development-Career Planning	45.00	3.00	
INFO-5129	Network-WAN Technologies	60.00	4.00	
INFO-5147	Network-Enterprise Tech 2	60.00	4.00	
INFO-3154	Network-Wireless-Operations	30.00	2.00	
INFO-3155	Network-VoIP-Operations	30.00	2.00	
INFO-3178	Network-VoIP Operations	45.00	3.00	
SRTY-3010	Security-Supporting the Edge	45.00	3.00	

Group 2

Take INFO-5138 OR INNV-1001

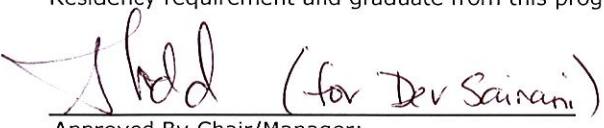
		Total Hours	Total Credits	GE
INFO-5138	Technical Projects	60.00	4.00	
INFO-5148	Technical Projects	75.00	5.00	
INNV-1001	Innovation Applications	45.00	3.00	

Subrequirement: Gen Ed - Electives

Take 3 General Education Credits - Normally taken in Level 4

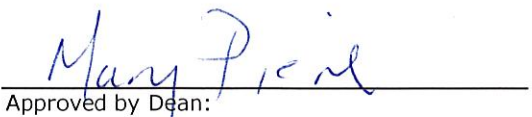
Subrequirement: Program Residency

Students Must Complete a Minimum of 21 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

 (for Dev Sainani)
Approved By Chair/Manager:

ITY
Department and Date:

Jan 28/20


Approved by Dean:

Date:

1/27/20



Degree Audit Report

General Education Approved By(as appropriate):

Date:

Degree Audit Report

Catalog: 2019/2020 2020/2021

Program: CTY2 **Name:** Computer Systems Technology
Department: ITY - Information Technology
Academic Level: PS
CCD: 9 - 6AcadSem/1800-2100hrs
Credential: Ontario College Advanced Dipl
Grade Scheme: LG2
Major: CTY2 - Computer Systems Technology **Div:** ITY - Information Technology Division
Co-Op Indicator: Mandatory Co-op

Academic Program Requirement

Total Credits: 118.00 **Residency Reqmt:** 30.00
GPA Requirement: 2.00 **Residency Reqmt GPA:** 2.00
Minimum Grade: D

Academic Requirement: CTY2.19 Computer Systems Technology

Major: CTY2
Grade Scheme: LG2
Minimum GPA: 2.00
Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:
Group 1

	Total Hours	Total Credits	GE
BUSI-1156 Strategies for Success	14.00	1.00	
INFO-1245 Network Fundamentals	75.00	5.00	
INFO-1280 Network Fundamentals	75.00	5.00	
INFO-1167 Business At the Speed of Light	45.00	3.00	**
INFO-1247 Applications & Databases	60.00	4.00	
INFO-1246 Operating Systems-Windows 1	45.00	3.00	

Group 2

TAKE WRIT-1043 OR WRIT-1034

	Total Hours	Total Credits	GE
WRIT-1043 Reason & Writing 1 for IT	45.00	3.00	
WRIT-1034 Reason & Writing 1-EAP	60.00	4.00	

Subrequirement: Level 2

Take all of the following Mandatory Courses:

	Total Hours	Total Credits	GE
INFO-3147 Network Routing & Switching 1	75.00	5.00	
INFO-3176 Network Routing & Switching	75.00	5.00	
MGMT-3052 Understanding Workplace Behaviours	45.00	3.00	**
INFO-1248 Data Centre Infrastructure	45.00	3.00	
INFO-3148 Operating Systems-Windows 2	60.00	4.00	

Degree Audit Report

INFO-1249	Programming Fundamentals	45.00	3.00
SRTY-1023	Security-Fundamentals	45.00	3.00
COOP-1020	Co-operative Education Employment Prep	6.00	1.00

Subrequirement: Level 3

Gen Ed - Take a 3 credit General Education elective course. Take all of the following Mandatory Courses:

	Total Hours	Total Credits	GE
INFO-1250	Operating Systems-Linux 1	30.00	2.00
SRTY-3011	Security-Enterprise Edge	45.00	3.00
INFO-3157	Enterprise Support	30.00	2.00

Subrequirement: Level 4

Take all of the following Mandatory Courses:

	Total Hours	Total Credits	GE
INFO-3158	Operating Systems-Windows 3	60.00	4.00
INFO-5130	Network-Advanced Routing	75.00	5.00
INFO-3159	Scripting for Information Systems	45.00	3.00
INFO-3160	Managing Database Systems	30.00	2.00
INFO-3161	Network-Administering VoIP	60.00	4.00
COMM-3077	Communications for IT	45.00	3.00

Subrequirement: Level 5

Gen Ed - Take a 3 credit General Education elective course. Take all of the following Mandatory Courses:

	Total Hours	Total Credits	GE
INFO-3162	Storage & Data Management	60.00	4.00
INFO-3150	Operating Systems-Linux 2	30.00	2.00
INFO-3156	Network-Administering Wireless	45.00	3.00

Subrequirement: Level 6

Take all of the following Mandatory Courses:

	Total Hours	Total Credits	GE
INFO-5132	Network-Advanced Switching	75.00	5.00
INFO-5134	Operating Systems-Windows 4	60.00	4.00
INFO-5133	Operating Systems-Linux 3	60.00	4.00
MGMT-3089	Managing Technical Projects	45.00	3.00
INFO-5131	Enterprise Virtualization	60.00	4.00
MGMT-3036	Professional Development-Career Planning	45.00	3.00

Subrequirement: Level 7

Take all of the following Mandatory Courses:

Group 1

	Total Hours	Total Credits	GE
INFO-5135	Enterprise Messaging Systems	30.00	2.00
SRTY-5009	Security-Monitoring & Alerting	30.00	2.00
INFO-5136	Scaling & Systems Integration	30.00	2.00
SRTY-5010	Security-IDS & IPS	30.00	2.00

Group 2

Degree Audit Report

Take INFO-5137 OR INNV-5001

	Total Hours	Total Credits	GE
INFO-5137 Technical Projects-Adv	180.00	12.00	
INNV-5001 Innovation Applications	45.00	3.00	

Subrequirement: Gen Ed - Electives

Take 6 General Education credits - Normally taken in Levels 3 and 5

Subrequirement: Program Residency

Students Must Complete a Minimum of 30 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

Hodd (for Dev Sainani)
Approved By Chair/Manager:

ITY Jan 28/20.
Department and Date:

M. P.
Approved by Dean:

1/28/20
Date:

General Education Approved By(as appropriate):

Date:

PM

APPENDIX A: PROPOSED CURRICULUM MODIFICATION

CTN

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
Level 1								
INFO-1245	Network-Fundamentals	5	75	New code and title	INFO-1280	Network-Fundamentals	5	75
TOTAL		5	75	TOTAL			5	75
Level 2								
INFO-3147	Network-Routing & Switching 1	5	75	New code and title	INFO-3176	Network-Routing & Switching	5	75
TOTAL		5	75	TOTAL			5	75
Level 3								
INFO-3149	Network-Routing & Switching 2	5	75	New code and title	INFO-3177	Network-Enterprise Technologies 1	5	75
TOTAL		5	75	TOTAL			5	75
Level 4								
INFO-5129	Network-WAN Technologies	4	60	New code and title	INFO-5147	Network-Enterprise Technologies 2	4	60
INFO-3154	Network-Wireless Operations	2	30	Remove - reallocate hours				
INFO-3155	Network-VoIP Operations	2	30	Increase hours (1 hour from 3154)	INFO-3178	Network-VoIP Operations	3	45
INFO-5138	Technical Projects	4	60	Increase hours (1 hour from 3154)	INFO-5148	Technical Projects	5	75
TOTAL		12	180	TOTAL			12	180
Level 5								
TOTAL		0	0	TOTAL			0	0
Level 6								
TOTAL		0	0	TOTAL			0	0

PROGRAM TOTAL 22 330

PROGRAM TOTAL 22 330

COMMS - Vocational Learning Outcomes by Program, Level and Course

Program Name: Computer Systems Technician
 Program Code: CTN2 (CTN2-ITY-20190)
 Academic Year: 2019-2020
 Date Generated: 1/22/2020 12:28:39 PM
 Only Display Core Courses:

Level 1

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
BUSI-1156	Strategies for Success									I		I
INFO-1245	Network-Fundamentals	I	I	I	I	I	I	I	I	I	I	I
INFO-1280	Network-Fundamentals	I	I	I	I	I	I	I	I	I	I	I
INFO-1246	Operating Systems-Windows 1	I	I	I	I	I	I	I	I	I	I	I
INFO-1247	Applications & Databases	I	I	I	I	I	I	I	I	I	I	I

Level 2

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
INFO-1248	Data Centre Infrastructure	IB	IB	IB	IB			I			IB	
INFO-1249	Programming Fundamentals	I				I					I	
INFO-3147	Network-Routing & Switching 1	B	B	B	B	B	B	B	B	B	B	B
INFO-3176	Network-Routing & Switching	B	B	B	B	B	B	B	B	B	B	B
INFO-3148	Operating Systems-Windows 2	IB	IB	IB	IB			IB	IB	IB	IB	
SRTY-1023	Security-Fundamentals	I	I	I	I	I	I	I	I	I	I	I

Level 3

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
INFO-3115	Administering Windows Servers	B	B	B								
INFO-3133	Linux Operating Systems	IB	IB	IB			IB	IB	IB			
COMM-3077	Communications for IT											
INFO-1250	Operating Systems-Linux 1	IB	IB	IB			IB	IB	IB			
INFO-3014	Database Servers	B					B					
INFO-3149	Network-Routing & Switching 2	B	B	B	B	B	B	B	B	B	B	B
INFO-3177	Network-Enterprise Technologies 1	B	B	B	B	B	B	B	B	B	B	B
INFO-3150	Operating Systems-Linux 2	IB	IB	IB			IB	IB	IB			
INFO-3151	Service Desk & User Support	IB	B	I			B	I	I	I	I	I
INFO-3152	Automation for Info Systems											
INFO-3153	Continuity & Disaster Recovery											
INFO-3099	Scripting for Systems Admin	BC		C		BC						
INFO-3119	Scaling Networks-CCNA	B	B	B	B	B	B	B	B	B	B	B

Level 4

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
INFO-5108	Windows Servers-Adv	B	C		C				B			
INFO-5109	WAN Protocols-CCNA	C		C		C			C		C	
INFO-5110	Technical Project	C	C	C	C	C		C	C		C	C
INFO-5148	Technical Project	C	C	C	C	C		C	C		C	C
INFO-3154	Network-Wireless Operations											
INFO-3155	Network-VoIP Operations											
INFO-3178	Network-VoIP Operations											
INFO-5111	Linux Operating Systems-Adv	C	C	C	BC	BC	C	BC	BC	C		
INFO-5129	Network-WAN Technologies	C		C		C			C		C	
INFO-5148	Network-Enterprise Technologies 2	C		C		C			C		C	
MGMT-3036	PD-Career Planning										I	
SRTY-3010	Security-Supporting the Edge											

Vocational Learning Outcomes

- 1 analyze and resolve information technology problems through the application of systematic approaches and diagnostic tools.
- 2 support the implementation and administration of computer systems.
- 3 support the implementation and administration of networking solutions.
- 4 install, configure, troubleshoot, maintain, and upgrade components of computer systems.
- 5 install, configure, troubleshoot, maintain, and upgrade components of networks.
- 6 use a variety of scripting tools and languages to automate routine tasks.
- 7 follow, monitor, and document data storage procedures designed to ensure the integrity of information.
- 8 apply knowledge of security issues to the implementation of information technology solutions.
- 9 provide efficient and effective technical support to clients in a manner that promotes safe computing practices and reduces the risk of the issue recurring
- 10 conform to workplace expectations found in information technology (IT) environments.
- 11 contribute to the successful completion of the project applying the project management principles in use

Legend

I	Introductory
B	Building
C	Culminating

COMMS - Essential Employability Skills by Program, Level and Course

Program Name: Computer Systems Technician
 Program Code: CTN2 (CTN2-ITY-20190)
 Academic Year: 2019-2020
 Date Generated: 1/22/2020 12:37:53 PM

Level 1

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
BUSI-1156	Strategies for Success				X	X				X		X
INFO-1167	Business At the Speed of Light	X			X	X	X	X	X	X	X	X
INFO-1245	Network-Fundamentals	X		X	X	X	X			X		
INFO-1280	Network-Fundamentals	X		X	X	X	X			X		
INFO-1246	Operating Systems-Windows 1		X		X	X	X	X		X		X
INFO-1247	Applications & Databases	X	X	X	X	X	X	X		X		X

Level 2

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
INFO-1248	Data Centre Infrastructure	X		X	X	X		X		X	X	
INFO-1249	Programming Fundamentals	X		X	X	X		X			X	X
INFO-3147	Network-Routing & Switching 1	X	X		X	X	X	X		X		
INFO-3147	Network-Routing & Switching	X	X		X	X	X	X		X		
INFO-3148	Operating Systems-Windows 2	X	X		X	X	X	X	X		X	X
MGMT-3052	Understand Wkplace Behaviours				X	X		X	X	X		
SRTY-1023	Security-Fundamentals			X	X	X	X	X	X	X	X	X

Level 3

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
INFO-3115	Administering Windows Servers		X		X	X		X			X	X
INFO-3133	Linux Operating Systems		X		X	X		X			X	
COMM-3077	Communications for IT	X	X		X	X	X	X	X	X	X	
INFO-1250	Operating Systems-Linux 1		X		X	X		X			X	
INFO-3014	Database Servers				X	X	X	X			X	X
INFO-3149	Network-Routing & Switching 2			X	X	X	X	X		X		X
INFO-3177	Network-Enterprise Technologies 1			X	X	X	X	X		X		X
INFO-3150	Operating Systems-Linux 2		X		X	X		X			X	
INFO-3151	Service Desk & User Support	X	X		X	X	X	X	X		X	X
INFO-3152	Automation for Info Systems											
INFO-3153	Continuity & Disaster Recovery											
INFO-3099	Scripting for Systems Admin				X	X		X			X	
INFO-3119	Scaling Networks-CCNA			X	X	X	X	X			X	X

Level 4

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
INFO-5108	Windows Servers-Adv	X	X		X	X	X	X	X		X	X
INFO-5109	WAN Protocols-CCNA	X	X	X	X	X	X		X	X	X	X
INFO-5110	Technical Project	X	X	X	X	X	X	X	X	X	X	X
INFO-3154	Network-Wireless Operations											
INFO-3155	Network-VolP Operations											
INFO-3178	Network-VolP Operations											
INFO-5111	Linux Operating Systems-Adv	X	X		X	X		X		X	X	X
INFO-5129	Network-WAN Technologies	X	X	X	X	X	X		X	X	X	X
INFO-5148	Network-Enterprise Technologies 2	X	X	X	X	X	X		X	X	X	X
MGMT-3036	PD-Career Planning	X	X		X	X	X	X	X	X	X	X
SRTY-3010	Security-Supporting the Edge											

Essential Employability Skills

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Legend

- I Introductory
- B Building
- C Culminating

APPENDIX A: PROPOSED CURRICULUM MODIFICATION

CTY

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
Level 1								
INFO-1245	Network-Fundamentals	5	75	New code and title	INFO-1280	Network-Fundamentals	5	75
TOTAL		5	75	TOTAL			5	75
Level 2								
INFO-3147	Network-Routing & Switching 1	5	75	New code and title	INFO-3176	Network-Routing & Switching	5	75
TOTAL		5	75	TOTAL			5	75
Level 3								
TOTAL		0	0	TOTAL			0	0
Level 4								
TOTAL		0	0	TOTAL			0	0
Level 5								
TOTAL		0	0	TOTAL			0	0
Level 6								
TOTAL		0	0	TOTAL			0	0

PROGRAM TOTAL 10 150

PROGRAM TOTAL 10 150

Program Name: Computer Systems Technology
Program Code: CTY2 (CTY2-ITY-20190)
Academic Year: 2019-2020
Date Generated: 1/22/2020 12:30:20 PM
Only Display Core Courses:

Level I														
Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11	12	13
BUSI-1156	Strategies for Success													
INFO-1245	Network Fundamentals	↓		↓		↓			↓			↓		
INFO-1280	Network Fundamentals													
INFO-1246	Operating Systems-Windows 1													
INFO-1247	Applications & Databases													

[illegible][illegible][illegible][illegible]

Level 6

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11	12	13
INFO-5131	Enterprise Virtualization													
INFO-5133	Operating Systems-Linux 3	BC	BC		BC		IB		IB	IB			IB	
INFO-5134	Operating Systems-Windows 4													
MGMT-3036	PD-Career Planning												I	
MGMT-3089	Managing Technical Projects													
INFO-5132	Network-Advanced Switching													

Level 7

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11	12	13
INFO-5135	Enterprise Messaging Systems													
INFO-5136	Scaling & Systems Integration													
SRTY-5009	Security-Monitoring & Alerting													
SRTY-5010	Security-IDS & IPS													

Vocational Learning Outcomes

- 1 analyze and resolve information technology problems through the application of systematic approaches and diagnostic tools
- 2 analyze, plan, design, and implement computer systems.
- 3 analyze, plan, design, and implement networking solutions.
- 4 install, configure, troubleshoot, monitor, maintain, upgrade, and optimize computer systems.
- 5 install, configure, troubleshoot, monitor, maintain, upgrade, and optimize networks.
- 6 use a variety of scripting tools and languages to automate routine tasks.
- 7 participate in the deployment and administration of databases within a networked environment.
- 8 plan, develop, and be responsible for data storage to ensure the integrity of information.
- 9 apply knowledge of security issues to the implementation of information technology solutions.
- 10 appraise existing security solutions with a view to on-going maintenance, development, and improvement of organizational security
- 11 provide efficient and effective technical support to clients in a manner that promotes safe computing practices and reduces the risk of the issue recurring
- 12 articulate, defend, and conform to workplace expectations found in information technology (IT) environments
- 13 contribute to the successful completion of the project applying the project management principles in use.

Legend

- I Introductory
- B Building
- C Culminating

COMMS - Essential Employability Skills by Program, Level and Course

Program Name: Computer Systems Technology
 Program Code: CTY2 (CTY2-ITY-20190)
 Academic Year: 2019-2020
 Date Generated: 1/22/2020 12:31:47 PM

Level 1

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
BUSI-1156	Strategies for Success			X	X					X	X	
INFO-1167	Business At the Speed of Light	X		X	X	X	X	X	X	X	X	
INFO-1245	Network-Fundamentals	X	X	X	X	X				X		
INFO-1280	Network-Fundamentals	X	X	X	X	X				X		
INFO-1246	Operating Systems-Windows 1	X		X	X	X	X			X	X	
INFO-1247	Applications & Databases	X	X	X	X	X	X	X		X	X	

Level 2

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
COOP-1020	Co-op Educ. Employment Prep	X	X			X	X	X		X	X	
INFO-1248	Data Centre Infrastructure	X	X	X	X		X		X	X		
INFO-1249	Programming Fundamentals	X	X	X	X		X			X	X	
INFO-3147	Network-Routing & Switching 1	X	X	X	X	X	X			X		
INFO-3147	Network-Routing & Switching	X	X	X	X	X	X			X		
INFO-3148	Operating Systems-Windows 2	X	X	X	X	X	X	X		X	X	
MGMT-3052	Understand Wkplace Behaviours			X	X		X	X	X			
SRTY-1023	Security-Fundamentals		X	X	X	X	X	X	X	X	X	

Level 3

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
INFO-1250	Operating Systems-Linux 1	X		X	X		X			X		
INFO-3157	Enterprise Support											
SRTY-3011	Security-Enterprise Edge											

Level 4

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
COMM-3077	Communications for IT	X	X	X	X	X	X	X	X	X		
INFO-3158	Operating Systems-Windows 3											
INFO-3159	Scripting for Info Systems			X	X		X			X		
INFO-3160	Managing Database Systems											
INFO-3161	Network-Administering VoIP											
INFO-5130	Network-Advanced Routing	X	X	X	X	X	X	X		X	X	

Level 5

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
INFO-3150	Operating Systems-Linux 2		X		X	X		X			X	
INFO-3156	Network-Administering Wireless											
INFO-3162	Storage & Data Management											

Level 6

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
INFO-5131	Enterprise Virtualization											
INFO-5132	Network-Advanced Switching	X		X	X	X			X	X		
INFO-5133	Operating Systems-Linux 3	X	X		X	X		X		X	X	X
INFO-5134	Operating Systems-Windows 4											
MGMT-3036	PD-Career Planning	X	X		X	X	X	X	X	X	X	X
MGMT-3089	Managing Technical Projects											

Level 7

Course Number	Course Name	1	2	3	4	5	6	7	8	9	10	11
INFO-5135	Enterprise Messaging Systems		X		X	X	X	X			X	X
INFO-5136	Scaling & Systems Integration											
SRTY-5009	Security-Monitoring & Alerting											
SRTY-5010	Security-IDS & IPS											

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Legend

- I Introductory
B Building